DOCUMENT RESUME

ED 040 278 VT 011 075

AUTHOR	York, Edwin G., Comp.
TITLE	An Inventory of New Jersey Research Concerning Vocational Education: A List of Projects and Reports, 1931-1969. Occupational Research Development Monograph No. 3.
INSTITUTION	New Jersey Occupational Research and Development Branch, Trenton.
PUB DATE	69
NOTE	123p.
EDRS PRICE	EDRS Price MF-$0.50 HC-$6.25
DESCRIPTORS	*Annotated Bibliographies, *Educational Research, *Research Projects, *Vocational Education
IDENTIFIERS	New Jersey

ABSTRACT

The 364 entries of research projects and reports in vocational education conducted in or concerning New Jersey are listed alphabetically by author, cumulative entry number, and title under these subject headings: (1) General Vocational and Technical Education, (2) Adult Education, (3) Agricultural Education, (4) Apprentice Programs, (5) Business Education, (6) Cooperative Programs, (7) Evaluation, (8) Health Occupations, (9) Home Economics, (10) Industrial Arts, (11) Introduction to Vocations, (12) Manpower Training, (13) Planning Programming Budgeting Systems, (14) Special Needs, (15) Statistics, (16) Technical Education, (17) Technology for Children, (18) Trade and Industrial Education, (19) Two Year Colleges, (20) Urban and Ghetto Education, and (21) Vocational Guidance. Excluded are curriculum publications, annual reports, training conferences, and program guides unless new research was presented. When a research report is available, the publication information, pagination, availability, and sometimes an annotation are given. Author and subject indexes are provided. (SB)

ED0 40278

AN INVENTORY OF NEW JERSEY RESEARCH CONCERNING VOCATIONAL EDUCATION 1931 - 1969

by

EDWIN G. YORK

OCCUPATIONAL RESEARCH DEVELOPMENT monograph no. 3

VT011075

The Research Coordinating Unit for Vocational-Technical Education
Bureau of Occupational Research Development   Division of Vocational Education
New Jersey State Department of Education   Trenton, New Jersey   08625

ED0 40278

AN INVENTORY OF NEW JERSEY RESEARCH CONCERNING VOCATIONAL EDUCATION: A LIST OF PROJECTS AND REPORTS

1931 - 1969

Compiled by
Edwin G. York

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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Occupational Research Development Bureau
Division of Vocational Education
New Jersey Department of Education
Trenton, New Jersey

1969

INTRODUCTION

The purpose of this publication is to list research projects and research reports in the field of vocational education conducted in New Jersey or concerning New Jersey.

Included are any announced research projects even though they are not completed. When possible the written report was noted. Special effort was made to list the availability of such written reports. Excluded are (1) annual reports, training conference reports and program guides unless new research was presented; and (2) research resulting in curriculum publications, as listed in Curriculum Materials of the Division of Vocational Education's Curriculum Laboratory.

This volume is organized in a classified format according to general and more specific subject headings. Under a specific subject heading, the items are listed alphabetically by author. Each item has been assigned a cumulative entry number to permit efficient use of the subject index and author-agency index.

The Table of Contents displays the classification scheme in both an abbreviated form and in a detailed form. A careful reading of these outlines should save the user much time.

Each entry includes a cumulative entry number, author, and title. When a research report is available, the following information is provided: publication information, pagination, the availability of the report, and, when necessary, an annotation.

Foreword

Research is the cutting edge of vocational education in New Jersey. It provides us with information and insights essential to providing persons of all ages in all communities in New Jersey with ready access to vocational training or retraining which is of high quality, which is realistic in the light of actual or anticipated opportunities for gainful employment, and which is suited to their needs, interests, and ability to benefit from such training.

New Jersey Vocational-Technical personnel will find this listing of New Jersey research efforts valuable and convenient.

Many of the items listed can be found in the Occupational Research Development Resource Center, where a collection of over ten thousand source materials is now available to vocational-technical education personnel and other interested persons.

ROBERT M. WORTHINGTON
Assiatant Commissioner of Education

Preface

This first attempt to compile a record of New Jersey vocational-technical education research under one cover is designed to identify researchers, specific research reports, institutional sponsors of research, and needed fields of research. Research activity in this field may be made more efficient, more economical, more visible, and more likely to be utilized through the use of such a vehicle of communication.

The Introduction and Table of Contents provide helpful information for using this publication. Subject and author indexes provide immediate access to specific items of research. Fields of research can best be approached through the Table of Contents, either in its abbreviated form or its detailed form.

Compiler of this project was Edwin York, Coordinator of the Occupational Research Development Resource Center. This product of the Bureau of Occupational Research Development is one of a growing number of basic tools to aid researchers in vocational education in New Jersey; others already available are *Guidelines for the Preparation of Proposals for Research, Training, Experimental, and Exemplary Programs in Vocational Education* and *Vocational Education Research Topics List* by Po-yen Koo, and *The 1968-1969 Source Book of Research and Related Titles* by Rudolph Girandola and Aldora Jackson.

Grateful appreciation is extended to the many persons whose assistance made this inventory of research possible. Special commendation must go to the following institutions which have shown leadership in publishing lists of related research: Montclair State College for its *Research Abstracts* published since 1956; the New Jersey Department of Institutions and Agencies for its *research in New Jersey Institutions and Agencies: Notifications, April 1957 to February 1968*; Paterson State College for *its Publications and Artistic Productions of Paterson State College Faculty since 1960*; Rutgers' Bureau of Governmental Research for its *Social Science Research Inventory* published since 1964, and Princeton University's Industrial Relations' Section for its annual publications list.

Comments and suggestions concerning this publication are invited.

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I. General Vocational-Technical Education

A. Attendants in State Institutions

#1
Doughty, Mary L.
"Evaluation of an In-Service Training Program for Employees at the Vineland State School."
Listed in Research in New Jersey Institutions and Agencies; Notifications, April 1957 to February 1968. N. J. Department of Institutions and Agencies Research Serial No. 344. N. J. Institutional Code No. 21. Notification date Oct. 1966. Refer to Vineland State School, Vineland, N. J. for information about the project.

#2
Kott, M. G.
"Attendant Training Project."
Listed in Reaearch in New Jersey Institutions and Agiendes; Notifications, April 1957 to February 1968, N. J. Department of Institutions and Agencies Research Serial No. 278. N. J. Institutional Code No. 26. Notification date June, 1962. Refer to Johnstone Training and Research Center, Bordentown, N. J. for Information about the project.

#3
Parnicky, Joseph J.
"Attendant Training - A National Survey."
Listed in Research In New Jersey Institutions and Agencies; Notifications, April 1957 to February 1968. N. J. Department of Institutions and Agencies Research Serial No. 560. N. J. Institutional Code No. 26. Notification date April, 1967. Refer to Johnstone Training and Research Center, Bordentown, N. J. for information about the project.

B. Automation and Employment

#4
Eastman, Hal P., Jr.
Changing Requirements and Employee Training as a Function of Automation.
(A study of tape controlled machine institutions and the resulting shift in employees' skills.) Code No. 10-8 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University New Brunswick, N. J. First listed as Active Project in S. S. R. I. No. 7, 1966. Last listed as terminated Project in No. 8, 1966. Completed results filed.

#5
Eastman, Hal P., Jr.
"The Impact of Automation and Mechanization on Job Evaluation Plans."
Code No. 10-21 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Anticipated Project in S. S. R. I. No. 9, 1967.

#6
Gorgol, John F.
The Impact of Numerically Controlled Production Equipment on Employment in New Jersey.
New Jersey: Department of Labor & Industry,
Division of Employment Security, 1968.
Code No. 2-27 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University New Brunswick, N. J. First listed as Anticipated Project in S. S. R. I. No. 6, 1966. Last listed as Terminated Project in No. 12, 1968. Project completed; Report forwarded to N. J. Dept. of Labor and Industry in Jan, 1968.

C. Aviation Education

#7
Placek, Joyce M.
The Status of Aviation Education in the Secondary Schools of New Jersey, 1954-1955.
Master's Report, Montclair State College, Upper Montclair, New Jersey. Abstract in annual Research Abstracts Bulletin of Montclair State College; v. 49, no. 2 (1956), pp. 50-52. Report itself in Montclair's Sprague Library.

D. Commuting Patterns

#8
New Jersey. Department of Labor and Industry. Division of Employment Security. Bureau of Research and Statistics.
Commuting Patterns of Workers Employed in New Jersey. (Research Series No. 3.). Trenton, New Jersey: Department of Labor and Industry, 1961. 45 p. and extensive appendixes. Copies for loan in the New Jersey Occupational Research Development Resource Center..

E. Comparative Education

#9
Donaghay, Herbert C.

"A Comparison of Education in the Federal Republic of Germany and the United States, 1965." Master of Education Degree Project Report, June, 1966, for the Department of Vocational-Technical Education, Rutgers - The State University, Graduate School of Education, Brunswick, N.J. Consult the report at the Vocational-Technical Curriculum Laboratory at Rutgers' New Brunswick campus.

F. Curriculum Development

#10
Cummings, John M.

"Bayonne High School Curriculum Research Project." Project No. 6-85045 of the U.S. Office of Education, reported in the New Jersey Occupational Research and Development Branch's *Report, June '65-Dec. '66*.

#11
Cummings, John M. and Culloo, Leo.

"Development of Multi-Media Programmed Instructional Materials for the Training of Law Enforcement Officers." Project No. 6-2879 listed in *On-Going Projects During Fiscal 1967* of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research.

#12
Green, Ralph and Scheaffer, Geraldine.

Development of Multi-Media Programmed Instructional Materials for the Training of Law Enforcement Officers. Initial Curriculum Study. Trenton, New Jersey: Department of Education, Division of Vocational Education, 1967. 87p. Available in microfiche: ED 025 645, VT 007 473.

#13
Hanawalt, Alice Fowler.

"Development of a Guide for Developing Teaching Plans-Late Adolescent Level." Master of Education Degree Project Report, Oct. 1966, for the Department of Vocational-Technical Education, Graduate School of Education, Rutgers - The State University, New Brunswick, N.J. Consult the report at the Vocational-Technical Curriculum Laboratory at Rutgers' New Brunswick campus.

#14
Lockette, Rutherford E. and Cummings, John.
The Application of the Judgmental Procedure to Vocational and Practical Arts Education.
Trenton, New Jersey: Department of Education, 1966. 11p.
(Bayonne Public Schools; Department of Education; Trenton State College). Available in microfiche: ED 024 777, VT 005 413.

#15
Schwartz, Milton M., and Kerrison, Irvine L. H.
Learning Process, with Applications to Workers' Education.
New Brunswick, N.J.: Rutgers University, Institute of Management and Labor Relations, 1956. 24p.

#16
Tuckman, Bruce W.
"Scope: Study of Curriculum for Occupational Preparation and Education."
(Scope's major objective is to coordinate and contribute to a national curriculum development effort at the secondary school level aimed at increasing the relevance of high school education for the large majority of our youth who must seek employment or further job training upon graduation. Implementation of the major objective will require: (1) the establishment of a functional communication link among the State-supported vocational Curriculum Development Centers, and (2) the refinement and testing of a scheme for classifying educational objectives in terms of the performance requirement and objectives rather than the subject-matter). Code No. 5-34 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers-The State University, New Brunswick, N.J. First listed as Active Project in S.S.R.I. No. 13, 1968. Tentative Completion date: June 30, 1970.

#17
Urffer, Alfred C., and Winston, James (ed.).
Establishing a Training Program-Selected Experiences.
New Brunswick, N.J.: Rutgers University, Institute of Management and Labor Relations, 1956. 45p.

G. Economic Trends

#18
Flink, Salomon J. et al.
The Economy of New Jersey: A Report Prepared for the Department of Conservation and Economic Development of the State of New Jersey by a Group of Rutgers Scholars....
New Brunswick, N.J.: Rutgers University Press, 1958. 673 p. $5.00. Includes such chapters as: "Growth and Structure of Employment"; "Personal Income"; "Manufacturing Industries"; "Commerce and Trade"; "The Agricultural Economy"; and, "Education". Available for loan from the New Jersey Occupational Research and Development Resource Center.

#19
Smith, Georgina.
In-Migration and Out-Migration of Plants in New Jersey. Code No. 7-14 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 8, 1966. Last listed as Terminated Project in No. 9, 1967. Report prepared and circulated.

#20
Sternlieb, George.
The Leisure Market: A study of the Market Potential of Leisure Activities in Southern N.J. Code No. 10-7 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 7, 1966. Last listed as Completed Project in No. 13, 1968. Pub. expected January, 1968.

H. Employer Policies

#21
Huff, Stanley W.
"Hiring Practices, Hiring Standards, and Manpower Development Policies of Selected Employing Institutions in Labor Markets With Differing Rates of Unemployment." Dissertation, Princeton University, Princeton, New Jersey. Manpower Research Project No. 91-32-66-20, described in Manpower Research Projects Sponsored by the U.S. Department of Labor, Manpower Administration through June 30, 1967. When available, Manpower Administration Research Project Reports are distributed to libraries participating in the Documents Expediting Project; in New Jersey, consult the libraries of Princeton University or Rutgers University.

#22
Lester, Richard A.
Hiring Practices and Labor Competition. Report Series No. 88. 1954. 108pp. Listed in the Publication List, January, 1969 of the Industrial Relations Section of Princeton University. Available from University Microfilms, Inc., 300 North Zeeb Road, Ann Arbor, Mich. 48106. Available only in xeroxed form.

I. Facilities

23
Larson, Milton E.
A Guide for Planning Facilities for Occupational Preparation Programs in the Machine Trades. Interim Report. Research 24.
Columbus, Ohio: Ohio State University, Center for Vocational and Technical Education, 1968. 74 p.
Available in microfiche: ED 023926, VT 007370; available from the Ohio Center for $2.00.

24
Macak, Walter J.
Planning Guidelines for Vocational and Technical Education Facilities.
Trenton, New Jersey: Division of Vocational Education, 1969. 14 p.

25
McNeice, William C.
"Establishment and Initial Operation of a Vocational Facilities Planning Laboratory to Develop Vocational Facility Planning Guides Concerning Twenty Clusters of Occupations."
Current research reported in the New Jersey Occupational Research and Development Branch's Report, June '65 - Dec. '66.

J. Information Centers

26
Helms, Frank Q.
Scope of Work in Information Centers and the Education and Skills Required for its Performance.
(Sponsorship: Air Force, Office of Aerospace Research; Directorate of Information Sciences Research; Graduate School of Library Service).
Code No. 9-5 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 7, 1966. Last listed as Active Project in No.13, 1968.

27
Oko, Dorothy K. and Downey, Bernard F.
Library Service to Labor.
New York: Scarecrow Press, 1963.

#28
York, Edwin G.
The Organization and Storage-Retrieval Patterns of the New Jersey Occupational Research and Development Resource Center.
Trenton, New Jersey: Division of Vocational Education, 1969. 7p.

K. In-Service Training Programs

#29
Bodnar, Raymond D.; Keane, Kerry J.; Reock, Ernest C., Jr.
Catalogue of In-Service Training Courses.
(This is the New Jersey section of a nation-wide catalogue of all available in-service training courses for officials and employees of local governments.) National League of Cities, 1966.
Code No. 3-12 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 5, 1965. Last listed as Terminated Project in No. 6, 1966.

L. Philosophy

#30
Shimberg, Benjamin.
Vocational Education in Perspective: A Background Paper.
Princeton, New Jersey: Educational Testing Service, 1966. 46p.

#31
Shimberg, Benjamin.
"Vocational Education: Is It More than Education for a Vocation?"
(in Vocational Education: Prospectus for Change. Boston, Massachusetts: Advisory Council on Education, 1967).

M. Research Coordination

#32
Girandola, Rudolph J.
ERIC - The New Jersey Research and Development Resource Center and YOU.
Trenton, New Jersey: Division of Vocational Education, 1969. 10p. Copies available from the N.J. Occupational Research Development Resource Center.

#33
Koo, Po-Yen.
Guidelines for Preparation of Applications for Financial Support for Research, Training, Exemplary, and Experimental Programs in Vocational Education.
Trenton, New Jersey: Division of Vocational Education 1969. 32p. Copies may be secured from the Director of Evaluation, N.J. Occupational Research Development Bureau.

#34
Koo, Po-Yen.
"Vocational Education Research Topics List."
(in *Feedback of Occupational Research and Development*, Vol. 4, No. 1, Winter 1969, pp. 1-2).
Copies of this issue may be secured from: Coordinator, N.J. Occupational Research and Development Resource Center.

#35
Law, Gordon F.
"Research Visibility Series" in *American Vocational Journal* issues as follows: Vol. 42, No. 11-12, Nov.-Dec.,1967; Vol.43, No. 1-4, Jan.-April, 1968.
Available on microfiche: ED 016872, ED 016874, ED 017739, Ed 017743, ED 018674, ED 018675.

#36
LoCascio, Ralph.
"New Jersey Occupational Research And Development Coordinating Unit."
Project No. 6-3001, listed in *On-Going Projects During Fiscal 1967* of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research.

#37
LoCascio, Ralph.
New Jersey Research Coordinating Unit for Vocational Education, Interim Report.
Trenton, New Jersey: Department of Education, 1968.
34 p. Project No. 5-0110 under the U.S. Office of Education.

#38
Worthington, Robert M.
The Establishment and Initial Operation of a Research and Development Unit in the Division of Vocational Education, New Jersey Department of Education, June, 1965-December, 1966.
Trenton, New Jersey: Department of Education, 1967. 19p.
Project No. 5-0110, listed in *Completed Projects as of October 31, 1967* of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research. Available in Microfiche, ED 010 616. Limited number of copies available from the N.J. Occupational Research Development Resource Center.

#39
York, Edwin G.
A Compilation of Resource Lists for Vocational Educators; An Annotated Bibliography of Bibliographies concerning Vocational Education, 1960-1969.
Trenton, New Jersey: Division of Vocational Education; to be published in 1969.

N. Safety

#40
Schaefer, Carl J. et al.
Developing Proper Attitudes toward Eye Protection in the School Shop, A Research Report.
University Park, Pennsylvania: Pennsylvania State University, 1965. 21p. Available in microfiche: ED 017 640, VT 000 943.

O. Teacher Training

#41
Larson, Milton E.
"A Vocational Technical Teacher Technology Center: The Development of a Model."
New Brunswick, N.J.: Rutgers - The State University, 1967.
Project No. 5-0018, listed in *Completed Projects as of October 31, 1967* of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research. Available in Microfiche, ED 003 522.

#42
O'Brian, John L. and O'Neill, John J.
"The Development of a Master Teacher Training Curriculum for Teachers of Occupational Level Training Programs."
New Brunswick, New Jersey: Rutgers - The State University, 1966. 161p.
Project No. 5-0171, listed in *Completed Projects as of October 31, 1967* of the U. S. Office of Education's Division of Comprehensive and Vocational Education Research. Available in microfiche, ED 010 161.

#43
O'Brian, John L. (ed)
The Advanced Degree and Vocational-Technical Education Leadership.
New Brunswick, New Jersey: Rutgers - The State University, 1966. 52p. Copies for loan available from the N.J. Occupational Research and Development Resource Center.

#44
Rutgers - The State University. Graduate School of Education. Department of Vocational-Technical Education.
Technology - Resource Center for Vocational Education.
New Brunswick, New Jersey: Rutgers - The State University, n. d. 19p.
The chief investigator: Milton E. Largon. Available in microfiche: ED 019 435, VT 002 305. Copies for loan in the New Jersey Occupational Research and Development Resource Center.

#45
Schaefer, Carl.
"The Advanced Degree and Vocational-Technical Education Leadership (A Symposium)."
Sponsored by Rutgers - The State University.
Project No. 5-8464, listed in *Completed Projects as of October 31, 1967* of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research. Available in microfiche, ED 010015.

P. Television

#46
Schaefer, Carl J. and Strong, Merle E.
Using Television for Industrial Supervisory Development.
Columbus, Ohio: Department of Education, 1959. 15 p. Available in microfiche: ED 016032, VT 00076.

Q. Trade Unions

#47
Levine, Herbert; Humza, Al; Chernick, Jack.
"Trade Union Role in Vocational Rehabilitation."
(A Research-Demonstration Project designed to test the feasibility of increasing the participation of local unions in finding of cases and in supporting the rehabilitation process.)
Code No. 7-9 in the *Social Science Research Inventory* of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in *S. S. R. I.* No. 5, 1965. Last listed as Active Project in No. 13, 1968.

#48
Smith, Georgina M. and Steffen, Robert A.
"R. C. I. A. Education Program Survey."
(A sample survey of retail clerks in a large local to determine their characteristics, their educational needs and interests, the extent of their participation in union activities, and their views on the day-to-day services offered by the union).
Code NO. 7-18 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, New Jersey. First listed as Active Project in S. S. R. I. No. 12, 1968. Last listed as Active Project in No. 13, 1968.

49
Troy, Leo.
Union Membership in New Jersey.
(A compilation of union membership data, with classifications by International Unions, county, etc.).
Code No. 7-1 in the Social Science Research Inventory of the Bureau of Governmental Reseach, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 2, 1964. Last listed as Terminated Project in No. 5., 1965. Report Published.

R. Wages

50
Lester, Richard A.
"Pay Differentials by Size of Establishment," in Industrial Relations, Vol. 7, No. 1, October, 1967. Listed in the Publication List, January 1969 of the Industrial Relations Section of Princeton University. A single reprint copy is free on request from the Industrial Relations Section Office, Princeton University, Princeton, N. J. 08540.

51
New Jersey. Department of Labor and Industry.
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II. ADULT EDUCATION

A. Administration

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Copies for loan from the N.J. Occupational Research
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the thesis in the Library of Glassboro State College.

# 57
McMahon, Ernest E.
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New York: Columbia University, 1960.

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Steengrafe, Weyman O.
Organizing an Adult School Curriculum.
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1961. No paging. (Monograph No. 1). Order for 35¢
from NJAAE, Fairlawn Adult School, P.O. Box 8,
Fairlawn, N.J. 07410.

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Weinhold, Clyde E.
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Order for 35¢ from NJAAE, Fairlawn Adult School, P.O. Box 8, Fairlawn, N.J. 07410.

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An Early Experiment in Adult Education.
New Brunswick, N.J.: Rutgers University, Department of Extension, 1951. 40p.

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"Adult Vocational and Technical Education in Essex County, New Jersey, 1944-1958, and Recommendations for its Future Development, Spring, 1959."
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(Monograph No. 3) Order for 35¢ from NJAAE, Fairlawn Adult School, P.O. Box 8, Fairlawn, N.J. 07410.

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"Report Cards for Adults?"
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Levine, Herbert A.
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Planning a Local Union Education Program.
New Brunswick, N.J.: Rutgers University,
Institute of Management and Labor Relations,
1956. 25p.

III. Agricultural Education

A. Farm Labor

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"Economic Study of Agricultural Labor in The Northeast."
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(Sponsorship: Northeastern Agricultural Experiment Station Directors).
Code No. 1-5 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Burnswick, N.J. First listed as Active Project in S. S. R. I. No. 12, 1968.

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#81
Davidson, Paul.
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Sheaffer, James A.
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IV. Apprentice Programs

A. Curriculum Materials

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Hever, Albert J.
"A Related Course Study for the Training of Fire Alarm Apprentices."
Master of Education Degree Project Report, August, 1967, for the Department of Vocational-Technical Education, Graduate School of Education, Rutgers - The State University, New Brunswick, N.J. Consult the report at the Vocational-Technical Curriculum Laboratory at Rutgers' New Brunswick campus.

B. History

#85

Dodge, Phillip M.
"An Investigation of Colonial Apprenticeship as a Factor in the Development of the Free Public School System in New England during the 17th Century."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual _Research Abstracts Bulletin_ of Montclair State College: v. 51, no. 3 (1959), pp. 15-17. Report itself in Montclair's Sprague Library.

C. Training Needs

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Report on A Study to Determine the Trades in Which Apprentices Are Employed and the Number of Employed Apprentices Enrolled in Related Instruction Classes.
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B. Bookkeeping and Automation

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C. Computer Programming

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"The Feasibility Of, and the Content For, an Introductory Course in Computer Programming in the Mathematics Department, Morris Hills High School, Rockaway, N.J., 1964-1965."
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Report of the Pilot Program Studying Use of Electronic Equipment in the Stenography Classroom. Trenton, New Jersey: Department of Education, 1968. 32p. A limited number of copies available through the Division of Vocational Education Public Information, Department of Education, 225 West State Street, Trenton, N.J.

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Wendlocher, John L., Jr.
"A Survey of Sources of Enrichment for a Basic Business Course to be Offered in the Community of Basking Ridge, 1956."
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#92
Aquino, Charles C.
"An Inquiry into the Business Education Curriculum of Fifty Secondary Schools in Five New Jersey Counties, 1955-1960."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v. 53, no. 3 (1961), pp. 7-8. Report itself in Montclair's Sprague Library.

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Stallings, Francis L.
"The Office Personnel Selection Procedures in Seventy-four Large Industries Around Cedar Grove, N.J., Spring, 1965."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v. 58, no. 6 (1966), pp. 55-58. Report itself in Montclair's Sprague Library.

G. Follow-up Studies

#94
Baecht, Wilhelmina P.
"Value of Courses to Employed Graduates of Business Education, Classes 1954-58, Clifford J. Scott High School East Orange, N.J. Based on Survey in Spring of 1959." Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v. 52, no.2 (1960), pp. 7-9. Report itself in Montclair's Sprague Library.

H. History

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Fiber, Larry R.
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I. Office Practice

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Butwin, Bernadine B.
"A Survey of the Office Practice Course in Fifty-seven Public High Schools in Essex, Bergen, and Passaic Counties, New Jersey, Fall, 1963." Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v. 57, no. 4, (1965), pp. 14-17. Report itself in Montclair's Sprague Library.

J. Teacher Training

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"The Achievements of Business Education Graduates, Classes of 1950-1955, New Jersey State Teachers College at Montclair, December, 1955." Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v. 49, no. 4 (1957), pp. 19-22. Report itself in Montclair's Sprague Library.

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#98
Wien, Margaret S.
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Thesis can be consulted in the Rider College Library.

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Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College; v. 51, no. 3 (1959), pp. 21-23. Report itself in Montclair's Sprague Library.

VI. Cooperative Programs

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"A Study of the Development of Cooperative Industrial Education Programs and their Implementation in Selected High Schools of Atlantic County, New Jersey." Master of Education Degree Project Report, June, 1967, for the Department of Vocational-Technical Education, Graduate School of Education, Rutgers - The State University, New Brunswick, N.J. Consult the report at the Vocational-Technical Curriculum Laboratory at Rutgers' New Brunswick campus.

B. Office Education Programs

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"A Status Study of the Cooperative Office Work Experience Programs in the Catholic Secondary Schools in the State of New Jersey."
Master's thesis, 1967, Rider College, Trenton, New Jersey.
Thesis can be consulted in the Rider College Library.

# 102
Kingston, Carmela C.
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A doctoral dissertation funded during fiscal 1969 and 1970.

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Shimberg, Benjamin.
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Report of a project completed under Contract No. DOT-CG 83765-A, United States Coast Guard, Department of Transportation, and Educational Testing Service, Princeton, N.J., February, 1969.

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Shimberg, Benjamin.
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Laidlaw, William.
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Tuckman, Bruce W.
The Development and Testing of an Evaluation Model for Vocational Pilot Programs.
Rutgers - The State University, 1967. 104p.
New Brunswick, New Jersey.
Project No. 6-8355, listed in Completed Projects as of October 31, 1967 of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research. Available in microfiche: ED 014567; Final Report, ED 016083, VT 003562.

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"Development of a Model to Evaluate State Programs of Vocational and Technical Education."
Listed as a research project during fiscal 1969 in the New Jersey Research Coordinating Unit for Vocational Education, Interim Report, July 1968.

D. Teacher Effectiveness

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Hyman, Ronald T.
"The Ideal Teacher - Pupil Relationship."
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"The Relationship of Teacher Training and Experience to Attitude Toward and Effective Teaching of Slow Learners."
Master of Education Degree Project Report, April, 1967, for the Department of Vocational-Technical Education, Graduate School of Education, Rutgers - The State University, New Brunswick, N.J. Consult the report at the Vocational-Technical Curriculum Laboratory at Rutgers ' New Brunswick campus.

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Tuckman, Bruce W.
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New Brunswick, New Jersey: Rutgers - The State University, 1968. 112 p. Project No. 6-2300, listed in *On-going Projects During Fiscal 1967* of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research.
Copies available for loan in the N.J. Occupational Research and Development Resource Center.

E. Teaching Methods

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Oliver, Wilmot F.
Relative Effectiveness of Informational Feedback about Supervisory and Student Reactions with Beginning and Experienced Vocational Teachers; Final Report.
New Brunswick, New Jersey: Rutgers - The State University, 1967. 80p. Available in microfiche: ED 019 477, VT 004 756. Project No. 6-8327, listed in *On-going Projects During Fiscal 1967* of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research.

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Esser, Barbara.
Testing as a Tool in the Admissions Process: An Overview of Research.
New York: Council of Social Work Education, 1966. She is currently Program Director for Vocational-Technical Education Projects, Educational Testing Service, Princeton, New Jersey.

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Jensen, Ollie A.
"Constructing Objective Test Items."
(in J.J. Donovan (ed.), *Recruitment and Selection in the Public Service, Chicago, Ill.*: Public Personnel Association tion, 1968.)

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Shimberg, Benjamin.
The Performance Phase of Trade Competency Examinations.
Mimeographed paper prepared for National Seminar on Feasibility of Providing Trade Competency Examinations for Teachers on a National Basis, Rutgers University, December, 1966.

#117
Shimberg, Benjamin.
"Standardized Tests in Industrial Arts, Progress Report."
(in Industrial Arts and Vocational Education Journal, Vol. 90 (May, 1968) pp. 24-25).

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Shimberg, Benjamin.
"Student Appraisal."
Mimeographed paper presented to Florida Vocational Guidance Workshop, Winter Park, Florida, October, 1966.

G. Training Needs

1. New Jersey

#119
Gorgol, John F.
Anticipating Changes in Job Demands.
(To develop a measure or index of industrial vulnerability or propensity to work force contractions or expansion, and analysis in a selected industry of evolving skill, experience and educational requirements of specific occupations or job groups faced with displacement from defense dependent activities).
Code No. 2-1 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 1, 1964. Last listed as Completed Project in No. 11, 1967. Report completed and forwarded to the N.J. Division of Employment Security.

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Kaufman, J. and Schaefer, Carl, J.
Preparation of Youth for Effective Occupational Utilization.
University Park Pennsylvania: Pennsylvania State University, Institute for Research on Human Resources, 1966. In Press.
A follow-up study of high school graduates in nine cities in Pa., N.J., Ohio and Maryland to discover the effectiveness of alternative kinds of high school education by an economic evaluation of the work history of the graduates.

#121
Klein, Harold M.
"A Survey of Training Needs and Facilities for the Public Service in New Jersey."
Code NO. 3-40 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - the State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 9, 1967. Last listed as Terminated Project in No. 13, 1968.
First phase published as Patterns of Public Employment in New Jersey.

#122
New Jersey. Department of Education.
Pilot Dropout Study.
Report completed, September 1963 listed in Research in State Departments of Education, OE-23040, U.S. Government Printing Office, 1965.

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An Intensive Followup of the High School Dropouts in One District.
Report completed, May, 1961. Listed in Research in State Departments of Education, OE-23040, U.S. Government Printing Office, 1965.

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New Jersey. Department of Education.
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A Study of the Characteristics of 140 Randomly Selected Dropouts.
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New Jersey. Department of Education. Division of Vocational Education.
Follow-up Study of Graduates, Vocational-Technical Education Programs, Class of 1962.
Trenton, New Jersey: Department of Education, (1962). 36p.

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New Jersey. Department of Labor and Industry. Division of Employment Security. Bureau of Research and Statistics.
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Trenton, New Jersey: Department of Labor and Industry, 1968. 19p. Loan copies available in the N.J. Occupational Research and Development Resource Center.

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The Next Twenty Years: A Forecast of Population and Jobs in the New York-New Jersey-Connecticut Metropolitan Region, 1965-1985.
New York: Port of New York Authority, n.d. 32p. Copies for loan in the N.J. Occupational Research and Development Resource Center.
(The Port of New York Authority was established by compact between New Jersey and New York in 1921).

#129
Rutgers - The State University. Graduate School of Education. Department of Vocational-Technical Education. Curriculum Laboratory.
Follow-up Study of 1963 Graduates--Trade and Industrial Programs in Public Vocational and Technical High Schools, North Atlantic Region.
New Brunswick, N.J., 1964. 60p. The last in a series continuing for nearly 40 years. The most recent are available in state education libraries and the N.J. Occupational Research Resource Center. This data collection function was assumed by the Division of Vocational and Technical Education, U.S. Office of Education, using a similar format for the collection instrument.

2. Atlantic County

#130
New Jersey. Department of Education. Division of Vocational Education.
A Survey of Atlantic County to Determine the Need for Vocational and Technical Education.
Trenton, New Jersey: Division of Vocational Education, 1960. 103p. Copies for loan in the N.J. Occupational Research and Development Resource Center.

#131
New Jersey. Department of Labor and Industry. Division of Employment Security. Bureau of Research and Statistics.
Atlantic City Labor Market Area Profile.
Trenton, New Jersey: Department of Labor and Industry, 1963. 18p. Copies for loan in the N.J. Occupational Research and Development Resource Center.

#132
New Jersey. Department of Labor and Industry. Division of Employment Security. Bureau of Research and Statisitics.
Occupational Training Needs Survey; Atlantic City Labor Market.
(Research Series No. 13) Trenton, New Jersey: 1963. 32p.
Copies for loan in the New Jersey Occupational Research and Development Resource Center.

#133
Rubinfine, Sally.
Vocational Education Needs for Atlantic County.
Mays Landing, New Jersey: Office of Atlantic County Superintendent of Schools, 1966.
Copies for loan in the N.J. Occupational Research and Development Resource Center.

3. Bergen County

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New Jersey. Department of Education. Division of Vocational Education.
Report on the Need for A County Vocational School in Bergen County; Section I, Summary and Recommendations.
Trenton, New Jersey: State Department of Education, 1940. 24p.
Copies for loan in the New Jersey Occupational Research and Development Resource Center.

#135
New Jersey. Department of Education. Division of Vocational Education.
A Survey of Bergen County to Determine the Need for New or Expanded Offerings in Vocational and Technical Education.
Trenton, New Jersey: Division of Vocational Education, 1960. 91p.
Copies for loan in the New Jersey Occupational Research and Development Resource Center.

4. Burlington County

#136
New Jersey. Department of Education. Division of Vocational Education.
A Survey of Burlington County to Determine the Need for Vocational and Technical Education.
Trenton, New Jersey: State Department of Education, 1960. 110p.
Copies for loan in the New Jersey Occupational Research and Development Resource Center.

5. Camden County

#137
Camden County Vocational School for Boys. Investigator Staff.
Report on a Survey of Industries of the Camden County Vocational School for Boys.
Camden, New Jersey: Camden County Vocational School, (1934). 47p.
Copies for loan in the New Jersey Occupational Research and Development Resource Center.

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New Jersey. Department of Education. Division of Vocational Education.
A Survey of Camden County to Determine the Need for New or Expanded Offerings in Vocational and Technical Education.
Trenton, New Jersey: State Department of Education, 1960. 73p.
Copies for loan in the New Jersey Occupational Research and Development Resource Center.

#139
New Jersey. Department of Education. Division of Vocational Education.
Report on A Survey of Industries in Camden County, Middlesex County, and Essex County.
Trenton, New Jersey: State Department of Education, 1934, var. pag.
Available for study at the N.J. Occupational Research and Development Resource Center.

#140
New Jersey. Department of Labor and Industry. Division of Employment Security. Bureau of Research and Statistics.
Occupational Training Needs Survey: Camden Labor Market Area.
(Research Series No. 14). Trenton, New Jersey: Department of Labor and Industry, 1963.
Copies for loan in the New Jersey Occupational Research and Development Resource Center.

6. Cape May County

#141
New Jersey. Department of Education. Division of Vocational Education.
A Survey of Cape May County To Determine the Need for Vocational and Techncial Education.
Trenton, New Jersey: Division of Vocational Education, 1960. 86p.
Loan copies available in the New Jersey Occupational Research and Development Resource Center.

#142
New Jersey. Department of Labor and Industry. Division of Employment Security. Bureau of Research and Statistics.
Occupational Training Needs Survey; Ocean City-Wildwood-Cape May Labor Market Area. (Research Series No. 8).
Trenton, New Jersey: Department of Labor and Industry, 1963. 42p. Loan copies available in the N.J. Occupational Research and Development Resource Center.

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Tolischus, Natalia C.
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Kievit, Mary B.
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Fellows, Pierson D.
"Procedures Involved in Introducing a Course in Family Living into the Curriculum of the High School." Master's Report, Montclair State College, Upper Montclair, N.J.
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Meyer, Marie P. and Savidge, Beverly M.
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Dutta, Manoranjah.
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(Sponsorship: Sperry and Hutchinson)
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"Factors in the Selection and Non-Selection of Home Economics in the Ninth Grade at Woodrow Wilson High School (Junior)."
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D. Mass Production

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Means, Charles H.
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H. Teacher Ratings

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Molinari, Louis A.
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XI. Introduction to Vocations

A. Educational Outcomes

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A Regional Institute to Aid Improvement of Instructional Practices, Materials and Student Experiences for Coordinators and Instructors of Vocational Orientation Programs.
Trenton, New Jersey: Division of Vocational Education, 1968. 13p.
Project No. 7-8400, listed in On-Going Projects During Fiscal 1967 of the U.S. Office of Education, Division of Comprehensive and Vocational Education Research.
Copies for loan in the N.J. Occupational Research Development Resource Center.

#232
Point Pleasant Beach High School.
Introduction to Vocations Statistical Report, 1968.
Point Pleasant Beach, New Jersey: Point Pleasant Beach High School, 1968. 4p.
Copies for loan in the N.J. Occupational Research Development Resource Center.

C. Mentally Retarded

#233
Gaynor, Patricia; Shapiro, Benjamin; and, Clark, Thelma F.
Teachers' Guide for a Model Program in Introduction to Vocations for Educable Mentally Retarded.
Trenton, New Jersey: Division of Vocational Education, 1968. 56p.
Available for $ .75 from N.J. Vocational-Technical Curriculum Laboratory, Rutgers - The State University, New Brunswick, New Jersey 08901.

I. Manpower Training

A. Employment Changes

#234
Baker, M. and Koch, A. R.
"Social and Economic Consequences of Changes in Employment Upon Selected Northeastern Communities."
(In New Jersey, a community which was essentially rural but which has now been circled by urban development was closely examined).
(Sponsorship: Northeastern Agricultural Experiment Station Directors).
Code No. 1-2 in the *Social Science Research Inventory* of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in *S. S. R. I.* No. 12, 1968. Last listed as Active Project in No. 13, 1968. Tentative Complete Date: June, 1969.

#235
Reynolds, T. J.
"Recent and Prospective Employment Trends in the Public and Non-Profit Sectors, Newark Area."
Sponsorship: Newark office of Economic Development.
Code No. 10-33 in the *Social Science Research Inventory* of the Bureau of Governmental Research, Rutgers'- The State University, New Brunswick, N.J. First listed as Active Project in *S. S. R.I.* No. 13, 1968. Tentative Completion Date: January, 1969.

B. Policies.

#236
Harbison, Fredrick, H.
"Critical Issues in American Manpower Policy and Practices."
(from the Proceedings of the 17th Annual Meeting, Industrial Relations Research Association, December, 1964).
Listed in the *Publication List, January, 1969* of the Industrial Relations Section of Princeton University. A single reprint copy is free on request from the Industrial Relations Section office, Princeton University, Princeton, N.J. 08540.

# 237
Harbison, Frederick H. and Myers, Charles A.
Education, Manpower and Economic Growth, Strategies of Human Resource Development.
McGraw-Hill Book Company, 1964. 223p. $7.50.
Listed in the Publication List, January, 1969 of the Industrial Relations Section of Princeton University. Available from McGraw-Hill Book Company, Hightstown-Princeton Road, Hightstown, N. J. 08520.

# 238
Harbison, Frederick H. and Myers, Charles A. (eds.)
Manpower and Education: Country Studies in Economic Development.
McGraw-Hill Book Company, 1965, 343p. $9.00.
Listed in the Publication List, January 1969 of the Industrial Relations Section of Princeton University.
Available from McGraw-Hill Book Company, Hightstown-Princeton Rd, Hightstown, N.J. 08520.

# 239
Hill, Samuel E. and Harbison, Frederick H.
Manpower and Innovation in American Industry.
Report series No. 96. Micro Photo Division, Bell & Howell Company, 1959. 85p.
Listed in the Publication List, January 1969 of the Industrial Relations Section of Princeton University. Available from Bell & Howell Company, Micro Photo Division, 1700 Shaw Ave., Cleveland, Ohio 44112. (Available only in Xeroxed form.)

# 240
Lester, Richard A.
Manpower Planning in a Free Society.
Princeton University Press, 1966. 227p. $5.00
Listed in the Publication List, January 1969 of the Industrial Relations Section of Princeton University. Available from Princeton University Press, Princeton, N.J. 08540.

#241
Rivlin, Alice.
"Critical Issues in the Development of Vocational Education."
In *Unemployment in a Prosperous Economy; A Report of the Princeton Manpower Symposium, May 13-14, 1965*.
Research Report Series No. 108. Princeton, N.J.: Industrial Relations Section, Princeton University, 1965, pp. 153-166. $3.00.
Discusses the issue of vocational education in an economy-wide, theoretical framework. Dr. Rivlin raises three basic questions without attempting to provide complete answers. These are: how much training should the labor force have? where should that training for work occur? and who should pay the cost?
Order from the Industrial Relations Section Office, Princeton University, Princeton, N.J. 08540.

#242
Simpson, Keith and Benjamin, Hazel C.
Manpower Problems in Economic Development.
University Microfilms, Inc., 1958. 93p.
Listed in the *Publication List, January 1969* of the Industrial Relations Section of Princeton Unviersity. Available from University Microfilms, Inc., 300 North Zeeb Road, Ann Arbor, Mich. 48106. (Available only in xeroxed form.)

#243
Zschock, Dieter K.
Manpower Perspective of Colombia.
Report Series No. 110. 1967. 152pp. $3.00.
Listed in the *Publication List, January 1969* of the Industrial Relations Section of Princeton University. Available for check or money order made payable to the Industrial Relations Section, Princeton University, Princeton, N.J.

C. Shortages

#244
Shimberg, Benjamin and Moe, John V.
"A Pilot Study to Determine the Feasibility of Investigating Nationally the Impact of Licensing Practices on the Availability and Mobility of Nonprofessional Manpower in Occupations Where Skill Shortages Exist."
Educational Testing Service--Princeton, N.J.
Manpower Research Project No. 91-32-68-18, described in Manpower Research Projects Sponsored by the U.S. Department of Labor, Manpower Administration through June 30, 1968.
Available from the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151, as Report No. PB178306 for $.65 for mfc. and $3.00 for paper copy.

D. Trainees

#245
Chernick, Jack and Bender, Robert.
"Manpower Training in New Jersey in Programs Sponsored by the Federal Government."
(Analysis of characteristics of 2,000 trainees enrolled in MDTA and ARA programs terminating from January, 1965).
(Sponsorship: New Jersey Division of Employment Security).
Code No. 7-7 in the Social Science Research Inventory of the Bureau of Governmental Research Rutgers - The State University, New Brunswick, N.J.
First listed as Active Project in S. S. R. I. No. 4 1965. Last listed as Active Project in No. 10, 1967.
Tentative Completion Date: June, 1967.

#246
Chernick, Jack and Indik, Bernard P.
"The Selection of Trainees Under MDTA; and, The Motivation to Work (a special supplement)."
New Brunswick, N.J.: Rutgers - The State University.
Manpower Research Project No. 39-64, described in Manpower Research Projects Sponsored by the U.S. Department of Labor Manpower Administration through June 30, 1968.
When available, Manpower Research Project Reports are distributed to libraries participating in the Documents Expediting Project; in New Jersey, consult the libraries of Princeton University or Rutgers University. Available in Microfiche, ED 015255.

XIII. Planning Programming Budgeting System

A. Costs

#247
Lester, Richard A.
"The Economic Significance of Unemployment Compensation, 1948-1959." in The Review of Economics and Statistics, Vol. XLII, No. 4 November, 1960.
Listed in the Publication List, January 1969 in the Industrial Relations Section of Princeton University. A single reprint copy is free on request from the Industrial Relations Section Office, Princeton University, Princeton, N.J. 08540.

#248
Lester, Richard A.
The Economics of Unemployment Compensation. Report Series No. 101, University Microfilms, Inc., 1962. 138p.
Listed in the Publication List, January 1969 of the Industrial Relations Section of Princeton University. Available from University Microfilms, Inc., 300 North Zeeb Road, Ann Arbor, Mich. 48106. (Available only in xeroxed form.)

#249
Lester, Richard A.
"Finance of Unemployment Compensation." in Industrial and Labor Relations Review, Vol. 14, No. 1, October, 1960.
Listed in the Publication List, January, 1969 of the Industrial Relations Section of Princeton University. A single reprint copy is free on request from the Industrial Relations Section Office, Princeton University, Princeton, N.J. 08540.

#250
Lester, Richard A.
"Implications of Labor Force Developments for Unemployment Benefits."
in The Quarterly Review of Economics and Business, May, 1961.
Listed in the Publication List, January 1969of the Industrial Relations Section of Princeton University. A single reprint copy is free on request from the Industrial Relations Section Office, Princeton University, Princeton, N.J. 08540.

B. Cost and Educational Outcomes

#251
Corazzini, A. J.
Vocational Education, A Study of Benefits and Costs (A Case Study of Worcester, Massachusetts). Princeton University Press, 1966. 126p. $2.00. Listed in the Publication List, January 1969 of the Industrial Relations Section of Princeton University. Available for check or money order made payable to the Industrial Relations Section, Princeton University, Princeton, N.J. This study is also Project No. 5-0172, listed in Completed Projects as of October 31, 1967 of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research. Available in microfiche, ED 010296.

C. Educational Outcomes

#252
Berkowitz, Monroe.
"Production Functions for School Districts." (An inquiry into the field of economics of education which concentrates on microeconomic problems of school districts, in order to analyze concepts involved in the relating of educational inputs to educational output in the form of projection functions.) Code No. 2-37 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Anticipated Project in S. S. R. I. No. 8, 1966. Last listed as Terminated Project in No. 9, 1967. Project Cancelled.

#253
Bowen, William G.
Economic Aspects of Education: Three Essays. Report Series No. 104. University Microfilms, Inc., 1964. 128p. $3.00. Listed in the Publication List, January 1969 of the Industrial Relations Section of Princeton University. Available from University Microfilms Inc., 300 North Zeeb Road, Ann Arbor, Mich. 48106 (Available only in xeroxed form.)

#254
Bowen, William G. and Finegan, T. A.
"Educational Attainment and Labor Force Participation."
in American Economic Review, No. 2, May 1966
Listed in the Publication List, January 1969 of the
Industrial Relations Section of Princeton University
A single reprint copy is free on request from the
Industrial Relations Section Office, Princeton
University, Princeton, N.J. 08540.

#255
Burch, Philip H., Jr.
"Educational Facilities and Attainment in
New Jersey."
(A study of the relationship in New Jersey among
educational output or attainment, selected characteristics
of the various public school systems in the state
and certain community variables, such as the educational
and occupational status of the school district
population.)
Code No. 3-26 in the Social Science Research
Inventory of the Bureau of Governmental
Research, Rutgers - The State University,
New Brunswick, N.J. First Listed as Active
Project in S. S. R. I. No. 8, 1966. Last listed as
Active Project in No. 13, 1968.

#256
Lewis, W. A.
"Secondary Education and Economic Structure."
in Social and Economic Studies, Vol. 13, No. 2,
June 1964.
Listed in the Publication List, January 1969 of the
Industrial Relations Section of Princeton University.
A single reprint copy is free on request from the
Industrial Relations Section Office, Princeton
University, Princeton, N.J. 08540.

#257
Myers, Charles Nash.
Education and National Development in Mexico.
Report Series No. 106.1965. 148pp. $3.75.
Listed in the Publication List, January, 1969
of the Industrial Relations Section of Princeton
University. Available for check or money order
made payable to the Industrial Relations Section,
Princeton University, Princeton, N.J.

# 258
Weisbrod, Burton A.
External Behefits of Public Education.
Report Series No. 105. 1964. 143pp. $3.00.
Listed in the Publication List, January 1969
of the Industrial Relations Section of Princeton
University. Available for check or money order
made payable to the Industrial Relations Section,
Princeton University, Princeton, N. J.

D. Systems Analysis

# 259
Black, Stanley and Harbison, Frederick H.
"Systems Analysis and the Labor Market."
Princeton University, Princeton, N.J.
Manpower Research Project No. 81-32-67-19,
described in Manpower Research Projects Sponsored
by the U.S. Department of Labor, Manpower Administration
through June 30, 1968. When available, Manpower
Research Project Reports are distributed to libraries
participating in the Documents Expediting Project;
in New Jersey, consult the libraries of Princeton
University or Rutgers University.

XIV. Special Needs

A. Disabled

#260

Berkowitz, Monroe.
"Development of Analytical Models from the Data Provided by the 1966 Survey of Disabled." (Evaluation of the importance of personal characteristics, location, income and financial assets on the willingness of persons to participate in public and private rehabilitation services.) Code No. 2-41 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Anticipated Project in S. S. R. I. No. 12, 1968. Last listed as Terminated Project in No. 13, 1968. Canceled.

#261

Berkowitz, Monroe and Johnson, William G.
"Estimating Number of Persons in Disability Groups." Report completed February, 1968 by the Bureau of Economic Research of Rutgers University and forwarded to the New Jersey Comprehensive State-Wide Project for Vocational Rehabilitation under Project No. 2-35, Planning For Utilization of Vocational Rehabilitation. Code No. 2-35 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. Listed as Completed Project in S. S. R. I. No. 13, 1968.

#262

Berkowitz, Monroe and Johnson, William G.
"New Jersey's Disabled Population Estimates and Projection 1965-1975." Report completed February 7, 1968 by the Bureau of Economic Research of Rutgers University and forwarded to the New Jersey Comprehensive State-Wide Project for Vocational Rehabilitation under Project No. 2-35, Planning For Utilization of Vocational Rehabilitation; Code No. 2-35 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers- The State University, New Brunswick, N.J. Listed as Completed Project in S. S. R. I. No. 13, 1968.

B. Dropouts

#263
Donato, Elsie J.
"An Analysis of the Drop-outs in the Union City High Schools and the Need for Better Articulation Between All Schools in the Union City (N.J.) School System."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College; v. 54 no. 2 (1962), pp. 7-9. Report itself in Montclair's Sprague Library.

#264
Indik, Bernard P.
"Evaluation of the United Progress, Inc. - Occupational Exposure - SIWS."
(This project attempts to evaluate the impact of an enrichment program in the work training experience program for male high school dropouts.)
(Sponsorship: United Progress, Inc., Trenton, New Jersey.)
Code No. 7-22 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers- The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 12, 1968. Last listed as Active Project in No. 13, 1968.

C. Mentally Retarded

#265
Blackman, Leonard S.
"Test of Vocational Sophistication and Interest for Mentally Retarded Adolescent Boys."
Listed in Research in New Jersey Institutions and Agencies; Notifications, April 1957 to February 1968.
N.J. Department of Institutions and Agencies Research Serial No. 040.
N.J. Institutional Code No. 26. Notification date May, 1967. Refer to Johnstone Training and Research Center, Bordentown, N.J. for information about the project.

#266
Burdett, A. D.
"Examination of Selected Pre-Vocational Techniques Utilized in Programs For the Mentally Retarded."
Listed in Research in New Jersey Institutions and Agencies; Notification, April 1957 to February 1968. N.J. Department Of Institutions and Agencies Research Serial No. 551. N.J. Institutional Code No. 26. Notification date April, 1967. Refer to Johnstone Training and Research Center, Bordentown, N.J. for information about the project.

#267
Gruenurt, Marietta Ossi.
"A Study of the Principles and Procedures of Introducing Educable Mentally Retardates into a Regular Vocational-Technical High School."
(Burlington County Vocational and Technical High School.)
A project funded during fiscal 1969 and 1970.

#268
Hayes, Leola G.
"Teaching Arts and Crafts to the Severely Mentally Retarded."
In National Association for Retarded Children. p. 9-19, Spring, 1966. Listed in Publications and Artistic Productions of Paterson State College Faculty, 1966-67 of Paterson State College, Wayne, N.J.

#269
New Jersey. Department of Education. Division of Vocational Education.
An Outline of Procedures for Operating an Employment Orientation Program for Mentally Retarded Students Enrolled in Special Education Classes in Secondary Schools in New Jersey.
Trenton, New Jersey: Department of Education, 1962. 14p. Available in microfiche: ED 015 582.

#270
Parnicky, Joseph P.
"Vocational Interest and Sophistication Assessment."
Listed in Research in New Jersey Institutions and Agencies; Notification, April, 1957 to February 1968. N.J. Department of Institutions and Agencies Research Serial No. 318. N.J. Institutional Code No. 26. Notification date November, 1966. Refer to Johnstone Training and Research Center, Bordentown, N.J. for information about the project.

# 271
Parnicky, Joseph J. and Kahn, Harris.
Evaluating and Developing Vocational Potential Of Institutionalized Retarded Adolescents.
Bordentown, N.J.: Johnstone Training and Research Center, 1963. Address requests to the Johnstone Training and Research Center, Bordentown, N.J.

# 272
Parnicky, Joseph J.; Kahn, Harris; and Burdett, Arthur D.
"Preliminary Efforts at Determining the Significance of Retardates' Vocational Interests."
American Journal of Mental Deficiency, Vol. 70, No. 3 (Nov. 1965) pp. 393-398.
Copies for loan in the N. J. Occupational Research and Development Resource Center.

# 273
Parnicky, Joseph J.; Kahn, Harris; and Burdett, Arthur D.
Standardization of the Vocational Interest and Sophistication Assessment (VISA): A Reading-Free Test for Retardates.
Bordentown, New Jersey: Johnstone Training and Research Center, 1968. 21p.
Available for $2.00 from the Edward R. Johnstone Training and Research Center, Bordentown, N.J. or a copy for loan from the N.J. Occupational Research And Development Resource Center.

# 274
Parnicky, Joseph J. and Peterson, Neale L.
A Program of Graduated Habilitation of Mentally Retarded Youth from Institutional to Community Living: Progress Report, March 1964 to February 1965.
Bordentown, New Jersey: Johnstone Training and Research Center, 1965. var. pag.
Research Project No. RD-1222-P.
Copies for loan in the N.J. Occupational Research and Development Resource Center.

D. Migrants

#275
Marshall, Patricia.
"The Social And Economic Problems of the Puerto Rican Migrant Farm Worker in New Jersey, Fall, 1964."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v. 58, no. 6 (1966), pp. 44-45.
Report itself in Montclair's Sprague Library.

E. Negroes

#276
Gutman, Robert.
"The Negro in New Jersey Cities."
A review and analysis of basic population and educational characteristics of the Negro residents of New Jersey.
Principal Investigator: Robert Gutman
Starting Date: 1962
Tentative Completion Date: 1965
Sponsorship: USC
Project Inactive
Code No. 8-7 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J.
First listed as Active Project in S. S. R. I. No.1 1964. Last listed as Terminated Project in No. 2, 1964.

#277
Norgren, Paul H. and Hill, Samuel E.
Toward Fair Employment.
1964. 296pp. $8.50 (Columbia University Press)
Listed in the Publication List, January, 1969 of the Industrial Relations Section of Princeton University, Available from Columbia Press, 2960 Broadway, New York, N.Y. 10027.

#278
Zito, Robert J. and Bardon, Jack I.
"Negro Adolescents' Success and Failure Imagery Concerning Work and School,"
Vocational Guidance Quarterly, March 1968, pp. 181-184.
Sponsored by Lawrence Township Public Schools, N.J. and Rutgers - The State University, New Brunswick, N.J.
Listed in a letter from Donald H. Amick, Assistant Dean, Graduate School of Education, Rutgers - The State University, New Brunswick, N.J. May 5,1969.

F. Poverty

# 279
Olsen, Richard and Stark, Harry.
"The Incidence and Distribution of Poverty in New Jersey."
Code No. 2-8 in the Social Science Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S.S.R.I. No. 1, 1964. Last listed as Terminated Project in No. 9, 1967. Report completed July, 1966 and submitted to New Jersey Office Of Economic Opportunity.

# 280
Smith, Georgina and Indik, Bernard.
"Employability in a Welfare Population."
(Case files of welfare recipients in Newark studied to determine distribution of characteristics affecting potential employability.)
(Sponsorship: Newark Area Redevelopment Corporation.)
Code No. 7-8 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. no. 4, 1965. Last listed as Terminated Project in No. 6, 1966. Report Filed.

G. Rehabilitation

# 281
Berkowitz, Monroe.
"Community Dynamics."
(An exploratory survey of the extent and availability of community rehabilitation and health services.)
(Sponsorship: National Institutes on Rehabilitation and Health Services.)
Code No. 2-25 of the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 5 1965. Last listed as Terminated Project in No. 8, 1966. Results of survey forwarded to National Institute on Rehabilitation and Health.

#282
Berkowitz, Monroe.
"Planning for Utilization of Vocational Rehabilitation Services."
(A determination of the possibilities of using existing national data to apply to the New Jersey population in order to forecast numbers of people in need of vocational rehabilitation and services.)
(Sponsorship: New Jersey Comprehensive State-Wide Planning Project for Vocational Rehabilitation.)
Code No. 2-35 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J.
First listed as Anticipated Project in S. S. R. I. No. 8, 1966. Last listed as Active Project in No. 13, 1968. Tentative Completion Date: 1968.

#283
Berkowitz, Monroe and Smith, V. Kerry.
"Selecting Applicants for Rehabilitation."
Report completed in November 29, 1967 by the Bureau of Economic Research of Rutgers University and forwarded to the New Jersey Comprehensive State-Wide Project for Vocational Rehabilitation, under Project No. 2-35, Planning for Utilization of Vocational Rehabilitation;
Code No. 2-35 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. listed as Completed Project in S. S. R. I. No. 13, 1968.

#284
Johnson, William G. and Smith, V. Kerry.
"The Rehabilitation Gap: An Optimal Solution."
Report completed February, 1968 by the Bureau of Economic Research of Rutgers University to the New Jersey Comprehensive State-Wide Project for Vocational Rehabilitation, under Project No. 2-35 Planning For Utilization of Vocational Rehabiliation;
Code No. 2-35 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. Listed as Completed Project in S. S. R. I. No. 13, 1968.

H. Socioeconomic Influences

# 285
Goldstein, Bernard.
Social And Cultural Factors Related to School Achievements.
(The purpose is to gain insight and understanding into the way of life of youngsters growing up in a central city blighted area, in order to better appreciate what the world looks like to them, and what it would take to interest them in exerting a greater effort to obtain an adequate education.)
(Sponsorship: U.S. Office of Education.)
Code No. 8-11 in the Social Science Research Invantory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 1, 1964. Last listed as Completed Project in No. 11, 1967. Completed Summer, 1967. Report Issued by Urban Studies Center.

# 286
Goldstein, Bernard and Bredemeier, Harry C.
Working Class Youth: A Review of the Literature.
Code No. 8-18 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First Listed as Active Project in S. S. R. I. No. 3, 1965. Last listed as Terminated Project in No. 6, 1966. Completed; to be published by Holt, Reinhart & Winston.

# 287
Jansyn, Leon.
"Post-Gang Career Follow Up Study."
(An examination of the social adjustment of former members of an adolescent delinquent group, relating their adjustment to variables of previously observed group participation.)
Code No. 12-13 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 12, 1968. Last listed as Active Project in No. 13, 1968. Tentative Completion Date: 1968.

I. Underachievers

#288
Raph, Jane.
Bright Underachievers.
(Monograph study of intellectually able high school students.)
Code No. 5-15 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 7, 1966. Last listed as Terminated Project in No. 8, 1966. Completed. Published by Teachers College Press, Columbia University.

J. Unemployed

#289
Bowen, William G. and Finegan, T. A.
"Labor Force Participation and Unemployment."
In Employment Policy and the Labor Market, April, 1965.
Listed in the Publication List, January 1969 of the Industrial Relations Section of Princeton University. A single reprint copy is free on request from the Industrial Relations Section Office, Princeton University, Princeton, New Jersey 08540.

#290
Bowen, William G. and Harbison, Frederick H. (eds.)
Unemployment in a Prosperous Economy.
A report of the Princeton Manpower Symposium.
Report Series No. 108. 1965. 173pp. $3.00. Listed in the Publication List, January, 1969 of the Industrial Relations Section of Princeton University. Available for check or money order made payable to the Industrial Relations Section, Princeton University, Princeton, New Jersey 08540.

#291
Chernick, Jack; Indik, Bernard; Craig, Roger.
Characteristics of Unemployment as Related to Success or Failure in Training Programs.
(The study involves an assessment of the educational and personal attributes of the unemployed and the relationship of these to eligibility for goverment sponsored training programs.)
(Sponsorship: Office of Manpower, Automation and Training,
U. S. Department of Labor.)
Code No. 7-4 in the Social Science Research Inventory, of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S.S.R.I. No. 1, 1964. Last listed as Terminated Project in No. 7, 1966. Completed and report submitted April 1, 1966.

#292
Chernick, Jack; Indik, Bernard; Sternlieb, George.
Employment and Unemployment in the City of Newark.
(A sample survey of households in the city designed to yield information with respect to labor force characteristics, in particular to delineate characteristics of the unemployed.)
Code No. 7-10 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - the State University, New Brunswick, N.J. First listed as active Project in S. S. R. I. No. 8, 1966. Last listed as terminated Project in No. 12, 1968. Completed January, 1968. Report published.

K. Women

#293
New Jersey. Department of Labor and Industry. Bureau of Research and Statistics.
Cost of Living for Women Workers, New Jersey, September, 1958.
Trenton, New Jersey: Department of Labor and Industry, 1959. 34p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

#294
Weil, Mildred.
"An Analysis of the Factors Influencing Women's Actual or Planned Work Participation."
In American Sociological Review, 26:91-96, February, 1961.
Abstract in Sociological Abstracts, 10:38, January, 1962.
Listed in Publications and Artistic Productions of Paterson State College Faculty, 1960-1965 of Paterson State College, Wayne, N. J.

#295
Weil, Mildred.
"Women in the World of Work."
In Science Research Newsletter, 5:672, Oct., 1960.
Listed in Publications and Artistic Productions of Paterson State College Faculty, 1960-1965 of Paterson State College, Wayne, N. J.

L. Youth

# 296

Freeburg, Norman C.; Patton, Michael J.; Rock, Donald A.
"Development of Evaluation Instruments for Use With the Neighborhood Youth Corps Program." Educational Testing Service, Development Research Division, Princeton, New Jersey. Manpower Research Project No. 66-00-09, described in *Manpower Research Projects Sponsored by the U.S. Department of Labor, Manpower Administration through June 30, 1967*. When available, Manpower Research Project Reports are distributed to libraries participating in the Documents Expediting Project; in New Jersey, consult the libraries of Princeton University or Rutgers University.

# 297

Indik, Bernard P.
"Effectiveness of an Occupational Exposure Program." (To explore the effectiveness of an Occupational Exposure Program for providing the Neighborhood Youth Corps enrollee with the necessary enrichment of his work-training experience to facilitate more successful pursuit of training and jobs.)
(Sponsorship: United Progress Inc., Trenton, N.J. Research Section, University Extention Division.)
Code No. 11-17 in the *Social Science Research Inventory* of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in *S. S. R. I.* No. 13, 1968. Tentative Completion Date: May, 1969.

# 298

New Jersey. Office of Economic Opportunity.
OMAT Project 82-29-48, Final Report. Trenton, New Jersey: Office of Economic Opportunity, 1966, 93p.
Available in microfiche: ED 022 606.
(A Rural Youth Development Program to provide counseling, education, vocational training and job placement for about 600 disadvantaged N.J. rural youth.)

# 299

Sigler, Jay A.
"Federal Child Labor Policy."
Code No. 3-58 in the *Social Science Research Inventory* of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in *S. S. R. I.* no. 11,1967. Last listed as Terminated Project in No. 12, 1968. To be published by the *Journal of Public Law* in Summer, 1968.

XV. Statistics

A. Economic Indicators

#300
Dutta, Manoranjan et al.
"An Econometric Model of New Jersey."
(An income and employment determination model for the state.)
Code No. 2-20 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Anticipated Project in the S. S. R. I. No. 2, 1964. Last listed as Terminated Project in No. 5 1965. Project temporarily suspended.

#301
Stark, Harry.
"The Development and Analysis of New Jersey Economic Indicators and Cyclical Characteristics."
(A continuing study related to the monthly publication of N. J. Economic Indicators in cooperation with the New Jersey Department of Labor and Industry.)
Code No. 2-18 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 1, 1964. Last listed as Completed Project in No. 11, 1967. Continuing. Responsibility for publication transferred to N.J. Department of Labor and Industry, June 30, 1967.

B. Unemployment Census

#302
Sternlieb, George.
Small Area Unemployment Census.
Code No. 10-19 in the Social Science Research Inventoryof the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 9, 1967. Last listed as Completed Project in No. 11, 1967. Publication expected October, 1967.

C. Work Stoppage

#303
Chernick, Jack.
Work Stoppage in New Jersey, 1966.
(A statistical compilation including analysis of the number and characteristics of work stoppage in New Jersey in 1966. This is an annual series.)
Code No. 7-20 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 9, 1967. Last listed as Terminated Project in No. 12, 1968. Completed December, 1967. Report published.

#304
Chernick, Jack and Weintraub, Andrew.
Analysis of Work Stoppage in New Jersey in the Period from 1952 to 1963.
Code No. 7-5 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 1, 1964. Last listed as Terminated Project in No.4, 1965. Project completed; report in press.

XVI. Technical Education

A. General

#305
Kerrison, Irvine L. H.
Workers' Education at the University Level.
New Brunswick, N.J.: Rutgers University Press,
1951. 177p.

B. Instrumentation

#306
Larson, Milton E.
"A Pilot Study in Advanced Instrumentation
for Technical Instructor (Summer Institute)."
Rutgers - The State University, New Brunswick, N. J.
Project No. 5-0062, listed in Completed Projects
as of October 31, 1967 of the U.S. Office of
Education's Division of Comprehensive and Vocational
Education Research. Available in microfiche, ED 003 092.

C. Metallurgy

#307
Hotherm, Charles.
"The Effect of Aluminum Risers on an Aluminum
Casting at Different Temperatures."
Master's Report, Montclair State College, Upper
Montclair, N.J.
Abstract in annual Research Abstracts Bulletin of
Montclair State College; v. 59, no. 3 (1967),
pp. 41-42. Report itself in Montclair's Sprague Library.

#308
Luna, Micael C.
"Comparative Frictional Characteristics of Automotive
Organic and Metallic Brake Linings."
Master's Report, Montclair State College, Upper
Montclair, N.J.
Abstract in annual Research Abstracts Bulletin of
Montclair State College; v. 59, no. 3 (1967),
pp. 48-49. Report itelf in Montclair's Sprague Library.

D. Prediction of Success

# 309
Dobbins, Robert Wilson.
"Admission Scores and Success of 2 Year Technology Students at Union Couty Technical Institution."
Master of Education Degree Project Report, October, 1968, for the Department of Vocational-Technical Education, Graduate School of Education, Rutgers- The State University, New Brunswick, N.J. Consult the report at the Vocational-Technical Curriculum Laboratory at Rutgers' New Brunswick campus.

E. Research

# 310
Larson, Milton E.
Review and Synthesis of Research in Technical Education.
Columbus, Ohio: Ohio State University, Center for Vocational and Technical Education, 1966. 84p.
Available in microfiche; ED 011 559, VT 002 228.

F. Textiles

# 311
Esposito, Gerald.
"An Investigation of the Stain and Water Resistance of Two Commercially Applied Fluorine Repellents, Zepel and Scotchguard, on Cotton."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College; v. 59, no 3 (1967) pp. 28-30. Report itself in Montclair's Sprague Library.

G. Wood

# 312
Fancera, Donald J.
"An Experiment to Develop a Table of Dimensional Ratios Between Laminated and Solid Wood Beams, Spring, 1966."
Master's Report, Montclair State College, Upper Montclair, N.J.
Abstract in annual Reserach Abstracts Bulletin of Montclair State College; v. 59, no.3 (1967) pp. 31-32. Report itself in Montclair's Sprague Library.

XVII. Technology for Children

A. Educational Outcomes

#313
Dispensa, Joseph Jr.
"The Effects of the Technology for Childern Project on Student Group Problem Solving Abilities and Attitudes towards School: A Partial Evaluation of the Technology for Children Project."
Trenton, New Jersey: Division of Vocational Education, 1968. 84p.
Copy for loan from the N.J. Occupational Research and Development Resource Center.

B. Evaluation

#314
Harnack, Richard B.
"Implementation of the Technology for Childern Project as of December, 1968."
Thesis, M.A. in Industrial Arts Education, Trenton State College, 1968. 72p.
Thesis may be consulted at the Library of Trenton State College or in the N.J. Occupational Research Development Resource Center.

#315
Hunt, Elizabeth E.
"The Ford Foundation Annual Report for the Technology for Children Project 1966-67."
New York: The Ford Foundation, 1967.
Consult this material at the Office for the Technology for Children Project, Division of Vocational Education.

#316
Mills, Jay T.
"An Exploratory Elementary Industrial Arts Program."
Thesis, M.A. in Industrial Arts, Trenton State College, 1962.
Thesis may be consulted at the Library of Trenton State College: R378.242M.

C. Theory

#317
Hunt, Elizabeth E.
"A Theoretical Base for the Technology for Children Project."
Symposium presented to the American Industrial Arts Association, 1965.
Consult this material at the Office for the Technology for Children Project, Division of Vocational Education.

XVIII. Trade and Industrial Education

A. Drafting

#318
Carstensen, Andrew E.
"A Survey of Mechanical Drawing in 134 Public High Schools of New Jersey, Spring, 1960."
Master's Report, Montclair State College, Upper Montclair, N. J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v. 53, no. 3(1961), pp. 16-20.
Report itself in Montclair's Sprague Library.

#319
Schwartz, Gilbert.
"Utilization of the Overhead Projector in Teaching Basic Mechanical Drawing."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v. 57, no. 4 (1965), pp. 77-79.
Report itself in Montclair's Sprague Library.

B. Electrical Appliance Servicing

#320
Benson, Purnell H. and Anthony, Eugene.
Optimizing the Servicing of Electrical Appliances. (Survey data were collected from 3,000 experiences in the servicing of electrical appliances, including level of satisfaction. These data were analyzed to find out the multiple regression relationship between satisfaction and conditions such as promptness, efficiency and dependability of servicemen. Results used to establish rating system.)
Code No. 10-35 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 13, 1968. Tentative Completion Date: January 1969. Project now in manuscript. Sponsorship: General Electric Company.

C. Electronic Training

#321
Leighty, Gerald T.
"An Analysis and Evaluation of the Course Content for the Electronics Curriculum at Morris Hills Regional High School. Rockaway, N.J., Considering the Vocational Requirements for the Electronics Industry in Morris County, New Jersey, Spring, 1963."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College; v. 56, no. 5, pp. 35-38.
Report itself in Montclair's Sprague Library.

D. Mathematics

#322
Hemmer, Richard N.
"A Survey of the Matematics Desired for Potential Industrial Employment, Spring, 1963."
Master's Report, Montclair State College, Upper Montclair, New Jersey.
Abstract in annual Research Abstracts Bulletin of Montclair State College: v.56, no. 5(1964),pp.27-28.
Report itself in Montclair's Sprague Library.

E. Research

#323
Tuckman, Bruce W. and Schaefer, Carl J.
Review and Synthesis of Research in Trade and Industrial Education.
Columbus, Ohio: Ohio State University, Center for Vocational and Technical Education, 1966. 91p.
Available in microfiche: ED 011 560, VT 002 229.

F. Retraining

#324
Porges, Frederick and Wataha, John.
A Report on A Re-Training Program in Machine Shop Practice.
New Brunswick, New Jersey: Board of Education of the Vocational Schools in the County of Middlesex, 1962. 30p.
Loan copies available in the N.J. Occupational Research Development Resource Center.

G. Teacher Competency

#325
Griess, Jerald A.
"Feasibility of Providing Trade Competency Examinations for Teachers on a National Basis."
New Brunswick, New Jersey: Rutgers - The State University.
Project No. 5-0043, listed in Completed Projects as of October 31, 1967 of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research. Available in microfiche: ED 012 794.

H. Trainees

#326
New Jersey. Department of Education. Division of Vocational Education.
Report of A Study of 500 Pre-employment Trainees in the Vocational Training Program for War Production Workers in New Jersey.
Trenton, New Jersey: Division of Vocational Education, 1943, 29p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

I. Training Needs

#327
Lester, Richard A.
"Revolution in Industrial Employment."
In Labor Law Journal, June 1958.
Listed in the Publication List, January, 1969 of the Industrial Relations Section of Princeton University. A single reprint copy is free on request from the Industrial Relations Section Office, Princeton University, Princeton, N.J. 08540.

#328
Wilkins, John and Stark, Harry.
"New Jersey Manufacturing Production Indexes."
(To develop on a continuing monthly basis the output index derived by Professors Bry, Boschan, and Kilgare)
Code No. 2-10 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S.S.R.I. No.1, 1964. Last listed as Terminated Project in No. 4, 1965. Project suspended pending availability of production worker employment data.

IX. Two Year Colleges

A. Student Development

#329
Gillie, Angelo and Kievit, Mary B.
"A Comparison of Environmental Press and Selected Student Characteristics in a Community College and Technical Institute."
(Sponsorship: U.S. Office of Education.)
Code No. 5-32 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J.
First listed as Active Project in S. S. R. I. No. 13, 1968. Tentative Completion Date: December, 1969.

#330
Gillie, Angelo C. and Tuckman, Bruce W.
"A Study of the Role of the Community College in the Implementation of Self-Concept."
Listed as a research project during fiscal 1968 in the New Jersey Research Coordinating Unit for Vocational Education, Interim Report, July 1968.

#331
Tuckman, Bruce W. and Gillie, Angelo C.
A Study of the Role of the Community College in the Development of Self-and Occupational-Concepts; Interim Report, Report of the First Year's Progress.
New Brunswick, New Jersey: Rutgers - The State University, 1968, 10p. and appendix.
Copies for loan in the N.J. Occupational Research and Development Resource Center.

B. Teachers

#332
Homlish, John A.
"Characteristics of Two Year College Teachers; Survey of Literature."
Master of Education Degreee Project Report, May, 1968, for the Department of Vocational-Technical Education, Graduate School of Education, Rutgers - The State University, New Brunswick, N.J.
Consult the report at the Vocational-Technical Curriculum Laboratory at Rutgers' New Brunswick campus.

C. Training Needs

1. Atlantic County

#333
New Jersey. Department of Education. Committee for the Study of the Proposal to Establish and Operate A County College in Atlantic County.
A Study of the Proposal to Establish and Operate A County College in Atlantic County.
Trenton, New Jersey: State Department of Education, 1963.
76p. Copies for loan in the N.J. Occupational Research and Development Resource Center.

2. Burlington County

#334
New Jersey. Department of Education. Committee for the Study of the Proposal to Establish and Operate A County College in Burlington County.
A Study of the Proposal to Establish and Operate A County College in Burlington County.
Trenton, New Jersey: State Department of Education, 1965.
84p. Copies for loan in the N.J. Occupational Research and Development Resource Center.

3. Camden County

#335
New Jersey. Department of Education. Committee for the Study of the Proposal to Establish and Operate A County College in Camden County.
A Study of the Proposal to Establish and Operate A County College in Camden County.
Trenton, New Jersey: State Department of Education, 1965.
85p. Copies for loan in the N.J. Occupational Research and Development Resource Center.

4. Cape May County

#336
Moreland, Andrew S.
A Study of the Need for a County College in Cape May County.
Cape May Court House, New Jersey: County Superintendent of Schools Office , 1963. 56p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

# 337
New Jersey. Department of Education. Committee for the Study of the Proposal to Establish and Operate A County College in Cape May County.
A Study of the Proposal to Establish and Operate A County College in Cape May County.
Trenton, New Jersey: State Department of Education, 1964. 76p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

5. Cumberland County

# 338
New Jersey. Department of Education. Committee for the Study of the Proposal to Establish and Operate a County College in Cumberland County.
A Study of the Proposal to Establish and Operate A County College in Cumberland County.
Trenton, New Jersey : State Department of Education, 1963. 76p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

6. Essex County

# 339
New Jersey. State Department of Education. Committee for the Study of the Proposal to Establish and Operate A County College in Essex County.
A Study of the Proposal to Establish and Operate A County College in Essex County.
Trenton, New Jersey: Department of Education, 1965. 90p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

7. Gloucester County

# 340
Gloucester County Study Committee.
A Study of the Need for a Two-Year County College in Gloucester County.
Woodbury, New Jersey: Superintendent of Public Schools Office, 1965. 39p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

8. Hunterdon County

341
New Jersey. Department of Education. Committee for A Study of the Advisability of Establishing and Operating A County College in Hunterdon County.
A Study of the Advisability of Establishing and Operating a County College in Hunterdon County.
Trenton, New Jersey: Department of Education, 1965. 85p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

9. Middlesex County

# 342
New Jersey. Department of Education. Committee for A Study of the Proposal to Establish and Operate A County College in Middlesex County.
A Study of the Proposal to Establish and Operate A County College in Middlesex County.
Trenton, New Jersey: Department of Education, 1964. 101p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

10. Somerset County

# 343
New Jersey. Department of Education. Committee for the Study of the Proposal to Establish and Operate a County College in Somerset County.
A Study of the Proposal to Establish and Operate A County College in Somerset County.
Trenton, New Jersey: Department of Education, 1965. 86p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

11. Union County

344
Union County. Board of Chosen Freeholders. Advisory Committee on County Colleges.
A Study of the Need for A Two-Year County College in Union County.
Elizabeth. New Jersey: Union County Board of Chosen Freeholders, 1964. 25p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

12. Other States

#345

Larson, Milton E.

A Study of the Characteristics of Students, Teachers and the Curriculum of Industrial-Technical Education in the Public Community Junior Colleges of Michigan.
East Lansing, Michigan: Michigan State University, 1965. 364p.
Available in microfiche: ED 025 255, Order No. 66-404 from University Microfilms, INC.
P. O. Box 1346, Ann Arbor, Michigan 48106.

XX. Urban and Ghetto Education

A. Communication

# 346
Blasingame, Ralph.
"Research on Library Services in Metropolitan Areas."
New Brunswick, New Jersey: Rutgers - The State University.
Project No. 5-0076, listed in Completed Projects as of October 31, 1967 of the U.S. Office of Education's Division of Comprehensive and Vocational Education Research. Available in microfiche, ED 010 065.

347
Blasingame, Ralph; Goldstein, Bernard; Farlee, Coralie.
"Developing Measures of Need for Knowledge and Information in an Urban Community."
(The purpose of the study is to examine the community's need for information, beginning with an analysis of the current supply of information and the nature and rate of its consumption. Of primary conern will be the sharp delineation of the methodological and substantive problems involved in a definitive study of social information content and channels.)
(Sponsorship: U.S. Office of Education)
Code No. 8-22 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J.
First listed as Active Project in S. S. R. I. No.11, 1967.
Tentative Completion Date: January 31, 1969.

B. Unemployment

348
Mooney, Joseph D.
"Urban Poverty and Labor Force Participation."
In American Economic Review, Vol. LVII, No.1, March, 1967.
Listed in the Publication List, January 1969 of the Industrial Relations Section of Princeton University.
A single reprint copy is free on request from the Industrial Relations Section Office, Princeton University, Princeton, N.J. 08540.

C. Youth

#349
Brown, Gloria M.
"A Descriptive Study of the Inner-City Adolescent Girl."
Master of Education Degree Project Report, January 1967, for the Department of Vocational-Technical Education, Graduate School of Education, Rutgers - The State University, New Brunswick, N.J. Consult the report at the Vocational-Technical Curriculum Laboratory at Rutgers' New Brunswick campus.

XXI. Vocational Guidance

A. Aptitudes

#350
Hoagland, Donald P.
"The Effect of Intelligence, Arithmetic Ability, and Age on Success of 133 Tenth Grade Students in Shop Subjects, Kearny (N.J.) High School, 1955-1958."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v.52, no. 2 (1960) pp. 21-23.
Report itself in Montclair's Sprague Library.

#351
Pistolas, George.
"The Relationship between Scores on the Space Relations Test of the Differential Aptitude Tests and Marks in Mechanical Drawing A of One Hundred Ninety-three Students, Montclair, (N.J.) High School, 1954-1958."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v.52, no. 2(1960) pp. 38-40. Report itself in Montclair's Sprague Library.

B. Counselors

#352
Bingham, William C.
"Job Satisfaction of Employment Counselors."
Journal of Employment Counseling, June, 1969. Listed in a letter from Donald H. Amick, Assistant Dean, Graduate School of Education, Rutgers - The State University, New Brunswick, New Jersey, May 5, 1969.

#353
Rutgers - The State University. Bureau of Economic Research.
"The Role and Status of the Rehabilitation Counselor."
Report completed February 20, 1968 by the Bureau of Economic Research of Rutgers University and forwarded to the New Jersey Comprehensive State-Wide Project for Vocational Rehabilitation under Project No. 2-35, Planning for Utilization of Vocational Rehabilitation; listed under Code No. 2-35 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. Listed as Completed Project in S. S. R. I. No. 13, 1968.

C. Curricular Choice

#354
Yevak, Marie E.
"Variables Associated with Curricular Choice of Secondary School Pupils."
Studies in Education, p. 76-78, Philadelphia, University of Pennsylvania, July, 1962-December, 1964; also in Journal of Educational Research 60(5): 205-208, January, 1967.
Listed in Publications and Artistic Productions of Paterson State College Faculty, 1960-1965 of Paterson State College, Wayne, New Jersey.

D. Occupational Information

#355
King, George G.,Jr.
"An Analysis of Existing Occupational Information to Develop Criteria for Occupational Information for Slow-Learning Students."
Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College; v. 49. no. 4, (1957). pp. 23-25.
Report itself in Montclair's Sprague Library.

#356
New Jersey. Department of Education. Division of the State Library, Archives and History. Public and School Library Services Bureau.
The Library's Place in the School; with Special Emphasis on Its Vocational Guidance Functions.
Trenton, New Jersey: Department of Education, 1945. 47p.
Loan copies available in the N.J. Occupational Research and Development Resource Center.

E. Services

#357
Bingham, William C.
Counseling Services for Unemployed Youth.
New York: New York University School of Social Work, Center for the Study of the Unemployed, 1967.
Listed in a letter from Donald H. Amick, Assistant Dean, Graduate School of Education, Rutgers - The State University, New Brunswick, N.J. May 5, 1969.

# 358
Gambino, Thomas.
Focus on Vocational Education: Report of 1968 Special Vocational Guidance Projects Funded Under VEA (1963). Trenton, New Jersey: Department of Education, 1968. 28p. A limited number of copies available through the Division of Vocational Education Public Information, Department of Education, 225 West State Street, Trenton, New Jersey.

# 359
Shimberg, Benjamin.
"Classroom Guidance: Hope or Hoax?" (in Journal of the National Association of Women Deans and Counselors. Vol. 23. 1959. pp. 3-10).

# 360
Shimberg, Benjamin.
"Evaluation of a Guidance Text." (in Personnel and Guidance Journal, Vol. 41. 1962. pp. 126-132.)

# 361
Wiseman, Charles M.
"An Investigation into the Needs for a System of Guidance and Psychological Services in the Schools of Sussex County, N.J., December, 1957." Master's Report, Montclair State College, Upper Montclair, N.J. Abstract in annual Research Abstracts Bulletin of Montclair State College: v. 51, no. 3 (1959), pp. 49-51, Report itself in Montclair's Sprague Library.

F. Vocational Adjustment

# 362
Benson, Purnell H.
"Predicting Vocational Success." (Administration of a "Divide-your-time" questionnaire will be made to several hundred staff members of a New Jersey corporation, together with the SRA Pictorial Reasoning Test. Results will be related to success on the job, such as volume sold by salesmen.) Code No. 10-41 in the Social Science Research Inventory of the Bureau of Governmental Research, Rutgers - The State University, New Brunswick, N.J. First listed as Active Project in S. S. R. I. No. 13, 1968. Tentative Completion Date: May, 1969.

# 363
Goldstein, Bernard and Harry Stark.
Joining the Labor Force.
New York: Holt, Rinehart, and Winston, 1964. paper, $1.08.
Report as a publication of the Department of Sociology,
Rutgers College, Rutgers - The State University,
New Brunswick, New Jersey in a letter of March 28, 1969.

G. Vocational Choice

#364
Asciutto, Marion.
"An Analysis of the Vocational Choice of 318
Applicants to the Bergen County (N.J.) Vocational
and Technical High School, September, 1959."
Master's Report, Montclair State College, Upper
Montclair, N.J. Abstract in annual Research Abstracts
Bulletin of Montclair College: v. 53, no. 3 (1961)
pp. 9-11. Report itself in Montclair's Sprague Library.

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